

Fig. 1a

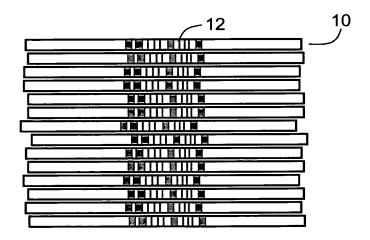


Fig. 1b

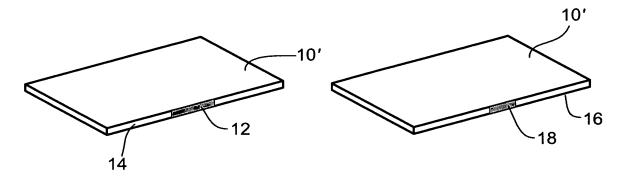


Fig. 2a

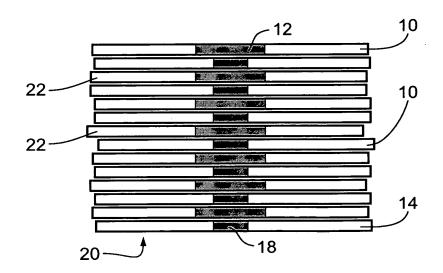
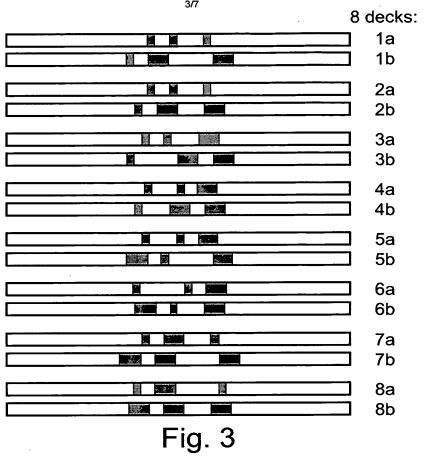
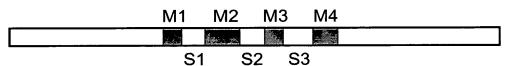


Fig. 2b





M - Mark, S - Space

Deck #	Deck id	M1 width	S1 width	M2 width	S2 width	M3 width	S3 width	M4 width	Pattern
1	1	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1111
2	2	0.8	0.8	8.0	8.0	0.8	0.8	1.6	111
3	19998	1.6	1.6	1.6	4.0	4.0	4.0	2.4	
4	19999	1.6	1.6	1.6	4.0	4.0	4.0	3.2	
5	78124	4.0	4.0	4.0	4.0	4.0	4.0	3.2	
6	78125	4.0	4.0	4.0	4.0	4.0	4.0	4.0	

^{*} All dimensions are in mm

Fig. 4

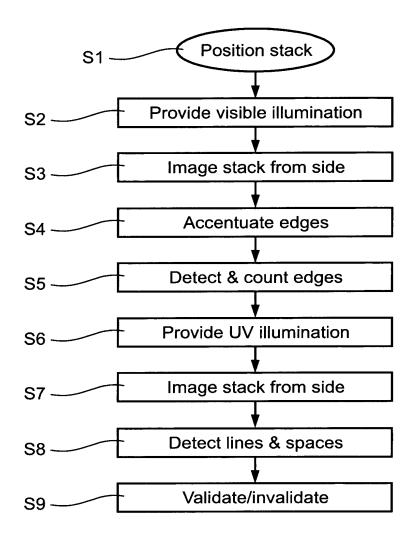


Fig. 5

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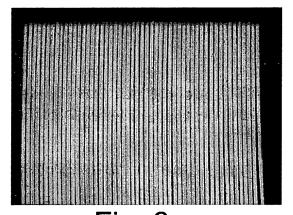


Fig. 6
Image acquired under visible light (Image acquisition module)

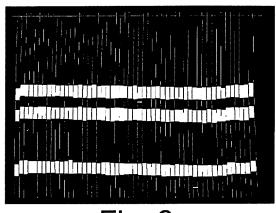


Fig. 8
Image acquired under UV light (Image acquisition module)

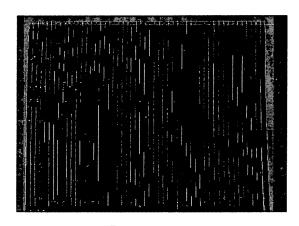


Fig. 7
Card detection and marking (Counting module)

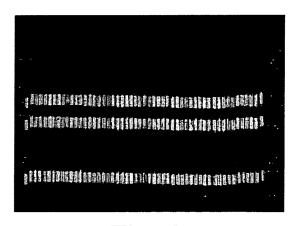


Fig. 9
Bars and spaces detection (Validation module)

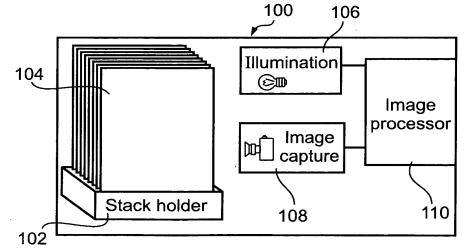


Fig. 10

Fig. 11

